

CLAIMS

WHAT IS CLAIMED IS:

1. A vehicle heads-up display system comprising:  
a source for providing a heads-up display onto a windshield of a  
5 vehicle; and  
an arrangement for increasing the contrast of a heads-up display on  
the windshield compared to the background of the display on the windshield.
2. A heads-up display as recited in Claim 1, wherein the contrast is  
10 provided by tinting the windshield, at least in the area where the heads-up display  
is directed, and selecting the color of the heads-up display to be in contrast with the  
tint color.
3. A heads-up display as recited in Claim 2, wherein the tint and the  
15 color of the heads-up display are selected such that the tint is generally formed of  
at least one primary color that is not found in the color of the heads-up display.
4. A heads-up display as recited in Claim 3, wherein the tint is only  
provided in a small area where the display is directed.
- 20 *Sub* 5. A heads-up display as recited in Claim 1, wherein the contrast is  
*ai* provided by capturing an image of the environment approaching the vehicle and  
controlling the heads-up display to contrast with the approaching image.

6. A heads-up display as recited in Claim 5, wherein a control selects an appropriate heads-up display dependent upon said captured image.

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5 ~~7. A heads-up display as recited in Claim 6, wherein the control selects an appropriate pattern for the heads-up display dependent upon said captured image.~~

8. A heads-up display as recited in Claim 6, wherein the control selects an appropriate color for the heads-up display dependent upon said captured image.

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~~9. A heads-up display as recited in Claim 1, wherein an area on the windshield is provided with a surface treatment, a light being directed onto said area to provide a glow and said heads-up display being directed onto said area.~~

10. A method of providing a heads-up display comprising the steps of:

(a) providing a system for directing a heads-up display onto the vehicle windshield;

(b) directing a heads-up display onto the vehicle windshield; and

5 (c) modifying one of said windshield and said heads-up display to provide greater contrast between said heads-up display and an image beyond said windshield.

10 11. A method as recited in Claim 10, wherein step (c) includes the step of providing a tint on the windshield, and selecting the heads-up display to be of a color with is in contrast to the tint color.

15 Sub a3 12. A method as recited in Claim 10, wherein an image of the environment approaching the vehicle is captured, and said heads-up display is selected to be in contrast to the captured image.

13. A method as recited in Claim 10, wherein a portion of said windshield is surface treated, and light is directed onto said portion to provide a back glow, and said heads-up display being directed onto said portion.

14. A heads-up display system for a vehicle comprising:

a windshield;

a heads-up display source; and

said windshield having a small portion provided with a surface to

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contrast, said heads-up display source directing a heads-up display at said small portion.

15. A heads-up display as recited in Claim 14, wherein said tint and said

heads-up display are selected such that they have contrasting colors.

16. A heads-up display as recited in Claim 14, wherein said small portion

is provided with a backglow by directed light source at a roughened area on said windshield.

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